



*The U.S. Attorney General has determined that the publication of this periodical is necessary in the transaction of the public business required by the Department of Justice. Information, instruction, and disclaimers are published in the January issues.*

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- JUNE 2011 -

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### SELECTED REFERENCES

[The Selected References section is a compilation of recent publications of presumed interest to forensic chemists. Unless otherwise stated, all listed citations are published in English. Abbreviated mailing address information duplicates that which is provided by the abstracting service. Patents and Proceedings are reported only by their *Chemical Abstracts* citation number. For full text copies of any of the articles listed, you may email the DEA Library at [dea.library-at-usdoj.gov](mailto:dea.library-at-usdoj.gov).]

1. Bozenko JS. **The Characterization of Anastrozole.** Microgram Journal 2011;8(1):12-15. [Editor's Notes: Presents title study. Contact: Drug Enforcement Administration, Special Testing and Research Laboratory, 22624 Dulles Summit Court, Dulles, VA 20166, USA.]
2. Casale JF, Hays PA. **Characterization of 2 $\beta$ -(1,2,4-Oxadiazol-5-methyl)-3 $\beta$ -phenyltropane ("RTI-126").** Microgram Journal 2011;8(1):3-11. [Editor's Notes: Spectroscopic and chromatographic data are provided for 2 $\beta$ -(1,2,4-oxadiazol-5-methyl)-3 $\beta$ -phenyltropane (commonly referred to as RTI-126), its 2 $\alpha$ -epimer, and their respective synthetic intermediates. Direct comparisons of the analytical data are made to assist forensic chemists in correctly differentiating these epimeric isomers in suspected drug exhibits. Contact: Drug Enforcement Administration, Special Testing and Research Laboratory, 22624 Dulles Summit Court, Dulles, VA 20166, USA.]

3. Esseiva P, Gaste L, Alvarez D, Anglada F. **Illicit drug profiling, reflection on statistical comparisons.** Forensic Science International 2011;207(1-3):27-34. [Editor's Notes: Presents title study. Contact: Institut de Police Scientifique, University of Lausanne, Batiment de Chimie, Lausanne-Dorigny CH-1015, Switzerland.]
4. Zuba D, Byrska B, Maciow M. **Comparison of "herbal highs" composition.** Analytical and Bioanalytical Chemistry 2011;400(1):119-126. [Editor's Notes: Presents title study. Contact: Institute of Forensic Toxicology, Krakow 31033, Poland.]

#### **Additional References of Possible Interest:**

1. Lanzaotta A, Gratz S, Brueggemeyer T, Witkowski M. **A targeted approach to detect controlled substances in suspect tablets using attenuated total internal reflection Fourier-transform infrared spectroscopic imaging.** Spectroscopy 2011;26(2):34-41. [Editor's Notes: Presents title study. Contact: Trace Examination Section, Forensic Chemistry Center, United States Food and Drug Administration, Cincinnati, OH, USA.]
2. Rotherham D, Harbison SA. **Differentiation of drug and non-drug Cannabis using a single nucleotide polymorphism (SNP) assay.** Forensic Science International 2011;207(1-3):193-197. [Editor's Notes: Presents title study. Contact: Department of Chemistry, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand.]
3. Taniguchi M, Yamamoto Y, Nishi K. **A technique combining trifluoroacetyl derivatization and gas chromatography-mass spectrometry to distinguish methamphetamine and its 4-substituted analogs.** Journal of Mass Spectrometry 2010;45(12):1473-1476. [Editor's Notes: Reports a method using trifluoroacetyl (TFA) derivatization and GC/MS to distinguish methamphetamine and its 4-substituted analogs: 4-fluoromethamphetamine, 4-chloromethamphetamine, 4-bromomethamphetamine, 4-iodomethamphetamine, and 4-nitromethamphetamine. Contact: Shiga Police Headquarters, Forensic Science Laboratory, 1-34-3, Karasaki, Otsu, Shiga, Japan 520-0106.]
2. Kikura-Hanajiri R, Kawamura M, Miyajima A, Sunouchi M, Goda Y. **Chiral analyses of dextromethorphan/levomethorphan and their metabolites in rat and human samples using LC-MS/MS.** Analytical and Bioanalytical Chemistry 2011;400(1):165-174. [Editor's Notes: An analytical method for the discrimination of dextromethorphan (an antitussive medicine) from its enantiomer, levomethorphan (a narcotic) and their metabolites in rat plasma, urine, and hair were carried out using LC-MS/MS. Complete chiral separation was achieved in 12 minutes on a Chiral CD-Ph column. The proposed methodology might be applied to the analysis of dextromethorphan /levomethorphan in forensics samples. Contact: Division of Pharmacognosy, Phytochemistry and Narcotics, National Institute of Health Sciences 1-1801, Kamiyoga, Setagaya, Tokyo 158-8501, Japan.]

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## THE JOURNAL/TEXTBOOK COLLECTION EXCHANGE

The Journal/Textbook Collection Exchange is a service intended to facilitate the transfer of unwanted journals and textbooks to forensic libraries or other *Microgram* subscribers. The current donations are listed below. The offers are First Come/First Serve (except libraries have preference). There are no charges to the requestor. Please provide a full mailing address in the request.

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*Journal of Chromatography* (Microfilm) 1958; Vol. 1 to 1993; Vol. 622  
*Journal of Chromatography A* (Microfilm) 1993; Vol. 652 to 2001; Vol. 921  
*Journal of Chromatography B* (Microfilm) 1994; Vol. 652 to 2004; Vol. 813  
*Journal of Pharmacy and Pharmacology* (Microfilm) 1965; Vol. 17 to 1987; Vol. 39  
*Science* (Microfilm) 1998; Vol. 279 to 2004; Vol. 306

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## THE DEA FY 2011 STATE AND LOCAL FORENSIC CHEMISTS SEMINAR SCHEDULE

The FY 2011 schedule for the State and Local Forensic Chemists Seminar is as follows:

September 12-16, 2011

The school is open only to forensic chemists working for law enforcement agencies. It is intended for chemists who have completed their agency's internal training program and have also been working on the bench for at least one year. There is no tuition charge. The course is held at the Hyatt Place Dulles North Hotel in Sterling, Virginia (near the Washington/Dulles International Airport). A copy of the application form is reproduced on the last page of this issue of *Microgram Bulletin*. Completed applications should be mailed to the Special Testing and Research Laboratory at 22624 Dulles Summit Court, Dulles, VA 20166. For additional information, email [DEA-Forensic Chemist Seminar -at- usdoj.gov](mailto:DEA-Forensic_Chemist_Seminar-at-usdoj.gov) (replace -at- with @).

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## SCIENTIFIC MEETINGS

**Title:** 40<sup>th</sup> Annual Meeting of MAFS

**Sponsoring Organization:** Midwestern Association of Forensic Scientists

**Inclusive Dates:** September 19-23, 2011

**Location:** Weston Hotel at Yorktown (Lombard, IL)

**Contact Information:** See website

**Website:** [www.mafs.net](http://www.mafs.net)

**Title:** 2011 Northwest Association of Forensic Scientists Meeting  
**Sponsoring Organization:** Northwest Association of Forensic Scientists  
**Inclusive Dates:** September 25-30, 2011  
**Location:** Hotel Murano (Tacoma, WA)  
**Contact Information:** See website  
**Website:** [www.nwafs.org](http://www.nwafs.org)

**Title:** Southwestern Association of Forensic Scientists Annual Conference  
**Sponsoring Organization:** Southwestern Association of Forensic Scientists  
**Inclusive Dates:** October 3-7, 2011  
**Location:** Houston Marriott at Texas Medical Center (Houston, TX)  
**Contact Information:** See website  
**Website:** [www.swafs.us](http://www.swafs.us)

**Title:** The 2011 Northeastern Association of Forensic Scientists Annual Meeting  
**Sponsoring Organization:** Northeastern Association of Forensic Scientists  
**Inclusive Dates:** November 1-5, 2011  
**Location:** Hyatt Regency Hotel & Spa (Newport, RI)  
**Contact Information:** See website  
**Website:** [www.neafs.org](http://www.neafs.org)

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<b>DEA State and Local Forensic Chemist Seminar Application</b>			
Name: (PRINT NAME EXACTLY AS IT IS TO APPEAR ON CERTIFICATE)		Title:	
Employer:			
Your Office Mailing Address (include city, state, and zipcode):			Length of Service:
Business Telephone: (     )     -	Business Fax: (     )     -	Date of Application:	
Email Address:			
Education			
College or University	Degree	Major	
Please Check Which Techniques or Equipment Are Used in Your Laboratory			
<input type="checkbox"/>	Color Tests	<input type="checkbox"/>	UV
<input type="checkbox"/>	Column Chromatography	<input type="checkbox"/>	IR
<input type="checkbox"/>	Microcrystal Tests	<input type="checkbox"/>	CE
<input type="checkbox"/>	Thin Layer Chromatography	<input type="checkbox"/>	GC/MS
<input type="checkbox"/>	GC	<input type="checkbox"/>	Other (please specify)
<input type="checkbox"/>	HPLC	<input type="checkbox"/>	Other (please specify)
Indicate Analytical Problem(s) Nominee Would Like to Have Covered:			
Choice of Seminar Dates:			
1st Choice:		2nd Choice:	
Laboratory Chief/Director:			
Printed Name: _____		Signature: _____	
Title: _____		Date: _____	
Phone: _____			